

Abstract of the invention

A navigation system for a position self control robot including a main body having a locomotion unit is provided. The navigation system includes two-dimensional (2D) barcodes, a barcode reader, and a control unit. The 2D barcodes are formed at predetermined intervals on a floor having a predetermined size and respectively have different unique coordinate values. The barcode reader is installed at a predetermined position in a lower portion of the main body to read a 2D barcode on the floor. The control unit is installed at the main body to be electrically connected with the barcode reader, recognizes absolute coordinates within a predetermined area, which are stored in memory, based on a unique coordinate value of the 2D barcode read by the barcode reader, applies the absolute coordinates to a programmed locomotion algorithm, and controls the locomotion unit to move the main body.